This nethod will work for all parment violes. But whe if you don't know the model? hon-parmerre (ic. n. model is ussent) Low go brets to 341, Recall F, the engine COF essention F(x) := - & 2 1 yi= y This 3, the comme summe corner is just its conflement 3(y) = 1 - = 2 1 / = y e rhs of the line segment should have t, 67 ts ty ts = 4 £ 1 y>y let the bi's be the order somones of the yi's, Assume all simple, Thro, OCE, Ctr C. Ctr. Leto sombolore: # 14 vists no time of first death ever 0= han < ha < -- < ha < 4, = 4 €n hn# = h-4=0 $\hat{S}(\xi_1) = \hat{P}(T > \xi_1) = \frac{\xi_1 \Delta_{y_1 > \xi_1}}{\eta} = \frac{\eta_2}{\eta_1} = \frac{\eta_{-1}}{\eta} = 1 - \frac{1}{\eta}$ $\hat{S}(t_1) = \hat{O}(T > t_1) = \hat{P}(T > t_2 | T > t_1) \hat{P}(T > t_1) = \frac{\mathcal{S} A_{/2} > t_2}{\mathcal{S} A_{/2} > t_1} \cdot \frac{h_2}{h_1} = \frac{h_3}{h_2} \cdot \frac{h_2}{h_1} = \frac{h_3}{h_1} = \frac{h_3}{h_1} = \frac{h_3}{h_1} = \frac{h_3}{h_2}$ $\hat{S}(t_3) = \hat{\rho}(T>t_3) = \hat{\rho}(T>t_3|T>t_2) \hat{\rho}(T>t_3|T>t_4) \hat{\rho}(T>t_4) = \frac{h_4}{h_3} \cdot \frac{h_4}{h_4} = \frac{h_4}{h$ - 43-1 , 48-1 , 41-1 = (- 52) (- 5) (-5) $\hat{S}(\epsilon_k) = \frac{k}{11} \left(1 - \frac{1}{h_i} \right) = \frac{1}{11} \left(1 - \frac{1}{h - (i-1)} \right)$ product limit exemptor" $=(1-\frac{1}{h-2})(1-\frac{1}{h-1})(1-\frac{1}{h})$

If
$$j \in \{0, +\infty\}$$
 $f \in \{0, +\infty\}$ $\Rightarrow \hat{S}(y) = \prod_{i \in Y < ij} (1 - \frac{1}{2i})$

How when inference for a consum when $f \times eg$. | yr ? $\theta = \hat{S}(1) = \frac{1}{2} \hat{S} \int_{|z|} 1 = TT \left(1 - \frac{1}{2}\right)$ $\hat{S}(1) = \frac{1}{2} \hat{S} \int_{|z|} 1 = TT \left(1 - \frac{1}{2}\right)$

Weie Sen this before ..

Let
$$bi = \Delta_{yi>1} \implies B_{i,...,b_n} \stackrel{iid}{\sim} Bern(E(x_{i>1})) = Bern(P(Y_{i>1})) = bern($$

$$\Rightarrow \hat{\theta} \sim N(\theta, \frac{300(1-301)}{5})$$

with this rendo, you can plat to banks around \$6)

How where inference for a Jemande? Eg. Medin

 $\hat{\Theta} = Med(Y) = agmin \hat{\Sigma}(y) \leq \frac{1}{2}$ $V_m(\hat{O})$? This is worked on: $\hat{\Theta} \approx N(Med(Y), V_m(\hat{O}))$ but beyond scope of concerts.

For the purpose of this class, use the bootstop!

Interience for the men? Vie $V i N(0, \frac{5^2}{n})$

Compare 2-samples

Yuling Yun ist pool, Year, Year is Obly Surver obly = use 2-sample K-S test

Whose if Here is NON-Unique Symul times?

No change! However, there is an apparal

let is: # of unique to 3 when n' & h and is 24 if # fews (hi) # soll summy (hi) least one deplica n= h-d1 di ti 43= 42-dz dz do dn' hn+1 = hn-dn=0 Ŝ(t) = P(T>t) | T>t2) P(T>t2 | T>t) P(T>t) 12-d2 · 11-d1 12-d3 $= \left(1 - \frac{d_2}{h_3}\right), \left(1 - \frac{d_2}{h_2}\right), \left(1 - \frac{d_1}{h_1}\right)$ 3(tx) = T (1- di ni) $\hat{S}(t) = \prod_{\{i: j < t_i\}} \left(-\frac{d_i}{r_i} \right) = \frac{1}{5} \underbrace{SA}_{j_i > t}$

	10
When about censoring?	
If he have right-convoring at tof := max(y), then when the hypers?	
White hypers?	
Ser in clearly wrong! Some Some Some Some Ne Know $\hat{S}(x) > 0$ for $y > \xi_f$, Censored obsansions Are not the some as events Of the sound of	
This is clearly wrong!	
ne know \$(1)>0 for y>6, Consored obsansons	
Are not the same as evens	1
Tolersion! I sit ig that the censoring!	
Buch more verliner.	
Much more verlistire.	76
Oropping all yi sto. Ci=1 from the dance changes	
hosting Cacept	
y is non brased dominant you deleted lots of real yis	
when ye >tf ti! No good may to get mome	
this. This is why people facus on DEMED (Y) and not	E
give its smitable, Others found on De verticed in	٦
give its tactable, Others focus on D= restricted in it of Keststal sygue [0, th] = Sy-	60
Ty(b) an we work somby this	